Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the above-identified application:

Listing of Claims

1. (Currently Amended) A wing for a micro air vehicle, comprising:

a leading edge formed from a first material capable of bending in a first direction but

not bending substantially in a second, generally opposite direction:

at least one layer of a resilient, flexible material that is different from the material forming the leading edge, extending from the leading edge to the trailing edge, and having a camber forming a concave surface facing downward, wherein the material selected for improving improves wind gust rejection due to adaptive washout as a result of the material flexibly decambering;

wherein the wing is bendable from a steady state position in a first direction such that tips of the wing may be bent toward the concave surface but not substantially in a second direction that is generally opposite to the first direction; and

wherein the wing is capable of returning to the steady state position by releasing the tips of the wing.

2. (Canceled)

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- The wing for a micro air vehicle of claim 2 1, 3. (Currently Amended) wherein the leading edge is formed from an aramid fiber/epoxy mixture and at least a portion of the remainder of the at least one layer is formed from a mixture of carbon fiber and epoxy.
- 4. The wing for a micro air vehicle of claim 2 1, (Currently Amended) wherein the leading edge is formed from pre-impregnated carbon/epoxy fiber cloth.
- 5. (Currently Amended) The wing for a micro air vehicle of claim 2 1, wherein the leading edge is formed from an aramid fiber/epoxy mixture.
- 6. (Previously Presented) The wing for a micro air vehicle of claim 1, wherein the at least one layer of a resilient material is formed from materials selected from the group consisting of fiber reinforced laminates, foam materials, and plastics.

7-8. (Canceled)

9. The wing for a micro air vehicle of claim 1, wherein a wing span (Original) of the wing is between about three inches and about twenty four inches.

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- 10. (Original) The wing for a micro air vehicle of claim 1, wherein the wing is capable of being bent around a central body of a micro air vehicle so that the micro air vehicle including the wing may fit within a tube having a diameter of about three inches.
- 11. (Original) The wing for a micro air vehicle of claim 1, further comprising a riser section forming a concave portion on an upper surface of the wing proximate to a trailing edge of the wing.
 - 12. (Currently Amended) A micro air vehicle, comprising: a central body;
 - a wing attached to the central body, wherein the wing comprises:

a leading edge formed from a first material capable of bending in a first direction but not bending substantially in a second, generally opposite direction;

at least one layer of a resilient, flexible material that is different from the material forming the leading edge, extending from the leading edge to the trailing edge, and having a camber forming a concave surface facing downward, wherein the material selected for improving improves wind gust rejection due to adaptive washout as a result of the material flexibly decambering;

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> wherein the wing is bendable from a steady state position in a first direction such that tips of the wing may be bent toward the concave surface but not substantially in a second direction that is generally opposite to the first direction; and wherein the wing is capable of returning to the steady state position by releasing the tips of the wing.

(Canceled) 13.

- The micro air vehicle of claim 13 12, wherein the 14. (Currently Amended) leading edge is formed from an aramid fiber/epoxy mixture and at least a portion of the remainder of the at least one layer is formed from a mixture of carbon fiber and epoxy.
- The micro air vehicle of claim 12, wherein the 15. (Previously Presented) leading edge is formed from pre-impregnated carbon/epoxy fiber cloth.
- (Previously Presented) The micro air vehicle of claim 12, wherein the 16. leading edge is formed from an aramid fiber/epoxy mixture.

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17. (Previously Presented) The micro air vehicle of claim 12, wherein the at least one layer of a resilient material is formed from materials selected from the group consisting of fiber reinforced laminates, foam materials, and plastics.

18 -19. (Canceled)

- 20. (Original) The micro air vehicle of claim 12, wherein a wing span of the wing is between about three inches and about twenty four inches.
- 21. (Original) The micro air vehicle of claim 12, wherein the wing is capable of being bent around a central body of a micro air vehicle so that the micro air vehicle including the wing may fit within a tube having a diameter of about three inches.
- 22. (Original) The micro air vehicle of claim 12, further comprising a riser section forming a concave portion on an upper surface of the wing proximate to a trailing edge of the wing.
- 23. (Original) The micro air vehicle of claim 12, further comprising a tail coupled to the central body that is generally orthogonal to the wing.

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- 24. (Original) The micro air vehicle of claim 12, further comprising a tail coupled to the central body that is generally vertical to the wing.
 - 25-31. (Canceled)
- 32. (Currently Amended) The wing for a micro air vehicle of claim 21, wherein the material forming a remainder of the at least one layer is formed from latex.
- 33. (Currently Amended) The micro air vehicle of claim 13 12, wherein the material forming a remainder of the at least one layer is formed from latex.